



BMW X3 (with iDrive, without MOST® Amp) 2004-2010

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KIT FEATURES

- ISO DDIN radio provision
- Includes all necessary data interfaces, wiring harnesses, and antenna adapter, for a complete installation
- Includes components necessary to relocate the factory climate control
- Painted black to match the factory dash

KIT COMPONENTS

- A) Radio trim panel • B) Radio brackets • C) Panel clips (2) • D) Radio screws (short) (8) • E) Climate control housing • F) Climate control trim panel
- G) Phillips screws (3) • H) Climate control extension harnesses (4) • I) ASWC-1 interface and wiring harness (not shown)
- J) Auxess interface and wiring harness (not shown) • K) Antenna adapter (not shown)

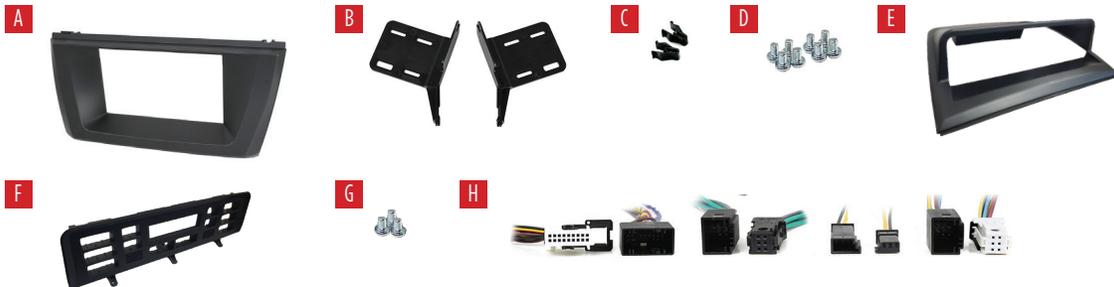


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WIRING & ANTENNA CONNECTIONS

- Wiring Harness: Included with kit
- Antenna Adapter: Included with kit
- Steering Wheel Control Interface: Included with kit

TOOLS REQUIRED

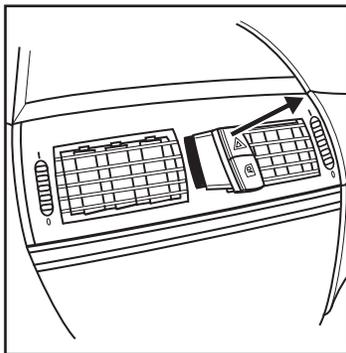
- Panel removal tool • Phillips screwdriver
- Cutting tool • 3mm Allen screwdriver

Attention! Let the vehicle sit with the key out of the ignition for a few minutes before removing the factory radio. When testing the aftermarket equipment, ensure that all factory equipment is connected before cycling the key to ignition.

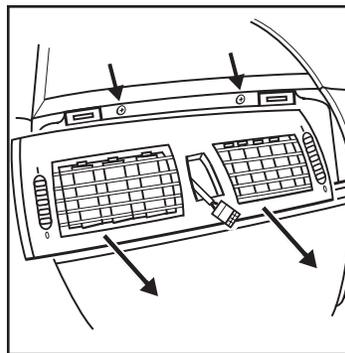
DASH DISASSEMBLY

1. Unclip, unplug, and remove the hazard/door-lock switch. (Figure A)
2. Unclip the a/c vent panel and slightly pull it out just enough to disconnect the temperature control cable, then remove the panel. (Figure B)
3. Remove (2) screws securing the storage pocket on the top of the dash, then unclip and remove the pocket. (Figure B)

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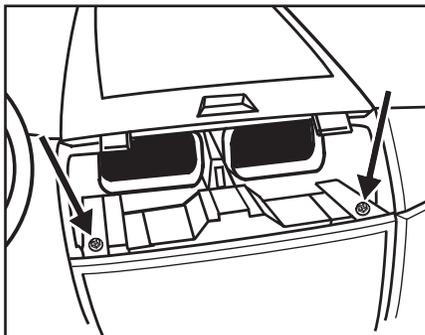
(Figure A)



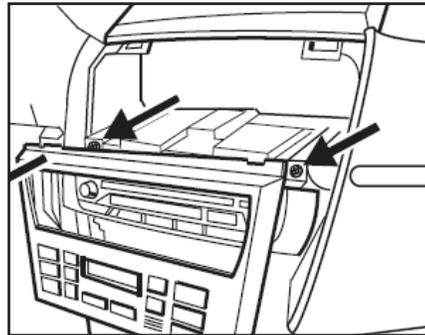
(Figure B)

DASH DISASSEMBLY (CONT.)

4. Remove (2) downward facing screws securing the radio/climate control panel, then unclip, unplug, and remove the panel. (Figures D & E)
5. Remove (2) screws securing the radio. Slide the radio out, then unplug and remove the radio. (Figure E)
6. Connect the **climate control extension harnesses (4)** to the harnesses removed in step 3, then route the extension harnesses to the storage pocket location.



(Figure D)



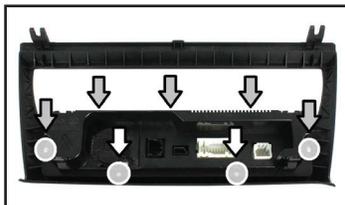
(Figure E)

Continue to Kit Preparation

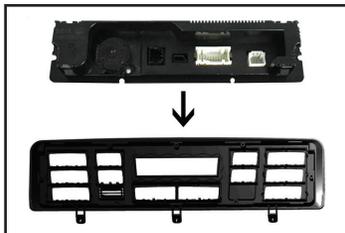
KIT PREPARATION

Climate Control Relocation

1. Remove (7) screws securing the climate controls to the radio/climate control panel, then remove the climate controls. (Figure A)
2. Attach the climate controls to the **climate control trim panel**, then secure using the factory screws. (Figure B)
3. Secure the climate control assembly to the **climate control housing** using (3) Phillips screws provided. (Figure C)
4. Connect the climate control assembly to the **climate control extension harness** in the dash, then secure the assembly to the dash using the screws removed in step 3 from **Dash Disassembly**.



(Figure A)



(Figure B)

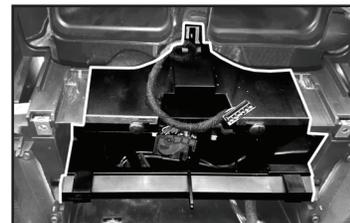


(Figure C)

Sub-Dash Modification

4. Cut the shaded area in the sub-dash to allow room for the aftermarket radio. The sub-dash panel may come out to perform this task. There are (3) nuts securing the sub-dash panel. Note that the top screw will have to be removed and left out. (Figures D, E & F)

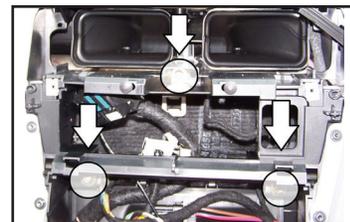
Continue to Kit Assembly



(Figure D)



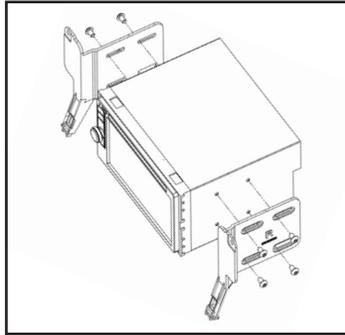
(Figure E)



(Figure F)

KIT ASSEMBLY

1. Secure the **radio brackets** to the radio using either the screws supplied with the radio, or the **radio screws** provided. (Figure A)



(Figure A)

AXXESS INTERFACE INSTALLATION

INTERFACE FEATURES

- Retains audio/phone[†] controls on the steering wheel
- Retains balance and fade
- Micro-B USB updatable

[†] Radio dependent

INTERFACE COMPONENTS

- 9324 interface
- 9324 harness
- ASWC-1 interface
- ASWC-1 harness
- Female 3.5mm connector with stripped leads

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TOOLS REQUIRED

- Crimping tool and connectors, or solder gun, solder, and heat shrink
- Tape • Wire cutter • Zip ties

CONNECTIONS

From the 9324 harness to the aftermarket radio:

- Connect the **Black** wire to the ground wire.
- Connect the **Yellow** wire to the battery wire.
- Connect the **Red** wire to the accessory wire.

Note: There will an accessory wire from the **ASWC-1 harness** to connect as well.

- Connect the **Blue** wire to the amplifier turn-on wire.
- If the aftermarket radio has an illumination wire, connect the **Orange** wire to it.
- Connect the **Gray** wire to the right front positive speaker output.
- Connect the **Gray/Black** wire to the right front negative speaker output.
- Connect the **White** wire to the left front positive speaker output.
- Connect the **White/Black** wire to the left front negative speaker output.
- Connect the **Green** wire to the left rear positive speaker output.
- Connect the **Green/Black** wire to the left rear negative speaker output.
- Connect the **Purple** wire to the right rear positive speaker output.
- Connect the **Purple/Black** wire to the right rear negative speaker output.

From the ASWC-1 harness to the aftermarket radio:

This harness is to be used if the vehicle is equipped with steering wheel controls.

- Connect the **Red** wire to the accessory wire.
- **For the radios listed below:** Connect the **female 3.5mm connector with stripped leads**, to the male 3.5mm SWC jack from the **ASWC-1 harness**. Any remaining wires tape off and disregard:
 - **Eclipse:** Connect the steering wheel control wire, normally **Brown**, to the **Brown/White** wire from the connector. Then connect the remaining steering wheel control wire, normally **Brown/White**, to the **Brown** wire from the connector.
 - **Metra OE:** Connect the steering wheel control Key 1 wire (**Gray**) to the **Brown** wire.
 - **Kenwood or select JVC with a steering wheel control wire:** Connect the **Blue/Yellow** wire to the **Brown** wire.
Note: If the Kenwood radio auto detects as a **JVC**, manually set the radio type to **Kenwood**. Refer to the **Changing Radio Type** document available at axessinterfaces.com/product/ASWC-1.
 - **XITE:** Connect the steering wheel control SWC-2 wire from the radio to the **Brown** wire.
 - **Parrot Asteroid Smart or Tablet:** Connect the 3.5mm jack into the **AX-SWC-PARROT** (sold separately). Then connect the 4-pin connector from the **AX-SWC-PARROT** to the radio.
Note: The radio must have rev. 2.1.4 or higher software.
 - **Universal “2 or 3 wire” radio:** Connect the steering wheel control wire, referred to as Key-A or SWC-1, to the **Brown** wire from the connector. Then connect the remaining steering wheel control wire, referred to as Key-B or SWC-2, to the **Brown/White** wire from the connector. If the radio comes with a third wire for ground, disregard this wire.
Note: After the interface has been programmed to the vehicle, refer to the manual provided with the radio for assigning the SWC buttons. Contact the radio manufacturer for more information.
- **For all other radios:** Connect the 3.5mm jack from the **ASWC-1 harness** into the jack from the aftermarket radio designated for an external steering wheel control interface. Please refer to the aftermarket radios manual if in doubt as to where the 3.5mm jack should connect to.

INSTALLATION

With the key in the off position:

1. Connect the **9324 harness** to the **9324 interface**, and then to the wiring harness in the vehicle.
2. Connect the **ASWC-1 harness** to the **ASWC-1 interface**, and then to the **9324 interface**.
3. Locate the factory antenna connector in the dash and complete all necessary connections to the radio. Use the antenna adapter provided to adapt the factory antenna connector to the aftermarket radio.

Attention! If retaining steering wheel controls, ensure that the SWC jack/wire is connected to the radio before proceeding. If this step is skipped, the interface will need to be reset for the steering wheel controls to function.

PROGRAMMING

1. Press and hold the **Volume Up** button on the steering wheel.
2. Turn the ignition on, the L.E.D. in the **ASWC-1 interface** will start flashing rapidly, which means the **ASWC-1 interface** is looking for the vehicle and the radio.
3. After a few seconds the L.E.D. should stop flashing rapidly, then go out for approximately 2 seconds.
4. After 2 seconds there will be a series of **7 Green** flashes, some short, and some long. The long flashes represent the wires that are connected from the vehicle to the **ASWC-1 interface**. The 3rd, 4th, 5th, and 6th flashes should be longer.
5. The L.E.D. will pause for another 2 seconds, then flash **Red** up to 18 times depending on which radio is connected to the **ASWC-1 interface**. Refer to the **L.E.D. Feedback** section for more information.
6. This is the end of the auto detection stage. If the **ASWC-1 interface** detected the vehicle and radio successfully, the L.E.D. will light up solid. If not, refer to the troubleshooting documents available at axessinterfaces.com/product/ASWC-1.
7. Test all functions of the installation for proper operation before reassembling the dash. Refer to the **ASWC-1 Steering Wheel Control** documents available at axessinterfaces.com/product/ASWC-1 for customizing the buttons, if so desired.

L.E.D. Feedback

The (18) **Red** L.E.D. flashes represent the brand of radio the **ASWC-1 interface** believes it is connected to. Each flash count represents a different radio Manufacturer. For example, if you are installing a JVC radio, the **ASWC-1 interface** will flash **Red** (5) times, then stop. Following is a legend that explains which radio Manufacturer corresponds to the flash count provided.

L.E.D. feedback legend

Flash Count	Radio
1	Eclipse (type 1) †
2	Kenwood ‡
3	Clarion (type 1) †
4	Sony / Dual
5	JVC
6	Pioneer / Jensen
7	Alpine *
8	Visteon
9	Valor

Flash Count	Radio
10	Clarion (type 2) †
11	Metra OE
12	Eclipse (type 2) †
13	LG
14	Parrot **
15	XITE
16	Philips
17	TBA
18	JBL

* If the **ASWC-1 interface** flashes **Red** (7) times, and an **Alpine** radio is not installed, that means an open connection. Verify that the 3.5mm jack is connected to the correct steering wheel jack/wire in the radio.

** The **AX-SWC-PARROT** is required (sold separately). Also, the software in the radio must be rev. 2.1.4 or higher.

† If a **Clarion** radio is installed and the steering wheel controls do not function, change the radio type to the opposite **Clarion** radio type; likewise for **Eclipse**. Refer to the **Changing Radio Type** document available at axessinterfaces.com/product/ASWC-1.

‡ If a **Kenwood** radio is installed and the L.E.D. feedback comes back showing as a **JVC** radio, change the radio type to **Kenwood**. Refer to the **Changing Radio Type** document available at axessinterfaces.com/product/ASWC-1.

FINAL ASSEMBLY

1. Secure the radio assembly to the dash using the factory screws.
2. Attach the **panel clips** provided to the **radio trim panel**.
3. Clip the **radio trim panel** to the dash, then secure it using the factory screws.
4. Reconnect the temperature control cable, then clip the a/c vent panel back to the dash.
5. Reconnect the hazard/door-lock switch to the vehicle, then clip it back to the dash to complete the installation.



95-9324B
INSTALLATION INSTRUCTIONS



If you are having difficulties with the installation of this product, contact our Tech Support line either by phone at **1-800-253-TECH**, or email at **techsupport@metra-autosound.com**. Before doing so, look over the instruction booklet a second time and ensure that the installation was performed exactly as the instruction booklet is stated. Have the vehicle apart and ready to perform troubleshooting steps before contacting Metra/Axxess Tech Support.



KNOWLEDGE IS POWER

Enhance your installation and fabrication skills by enrolling in the most recognized and respected mobile electronics school in our industry. Log onto www.installerinstitute.com or call 800-354-6782 for more information and take steps toward a better tomorrow.



Metra recommends MECP certified technicians